ERRATA

Your copy of the 1992 International Petroleum Encyclopedia contains many errors in the U.S. section of the world refining survey.

Here is the correct version of that section, which appears on pp. 335-338.

IPE regrets the errors.

UNITED STATES

Company and refinery location	Crude b/cd	b/sd Catalytic cracking	b/sd Catalytic reforming
Alabama			
Coastal Mobile Refining Co.— Mobile Bay	*14,250		
Gamxx Energy Inc.—Theodore	26,500		*5,000
Hunt Refining Co.—Tuscaloosa	33,500		*7,500
Louisiana Land & Exploration Co.—Saraland	80,000		*20,000
Total	**154,250**	.....	**32,500**
Alaska			
ARCO Alaska Inc.—Kuparuk	12,000		
Prudhoe Bay	17,500		
Mapco Alaska Petroleum— North Pole	115,000		
Petro Star Inc.—North Pole	8,000		
Tesoro Petroleum Corp.—Kenai	72,000		*12,000
Total	**224,500**	.....	**12,000**
Arizona			
Intermountain Refining Co.— Fredonia	5,710		
Sunbelt Refining Co.—Randolph	8,500		
Total	**14,210**	.....	.....
Arkansas			
Berry Petroleum Co.—Stevens	*5,700		
Cross Oil & Refining Co. Inc.— Smackover	6,770		
Lion Oil Co.—El Dorado	48,000	18,500	9,000
Total	**60,470**	**18,500**	**9,000**
Solvent extraction: 5,500 b/sd			
California			
Anchor Refining Co.Inc.—McKittrick	10,000		
Atlantic Richfield Co.—Carson	224,000	82,000	48,000
Chemoil Refining Corp.—Signal Hill	14,200		
Chevron U.S.A. Inc.—El Segundo	254,000	62,000	*51,000
Richmond	205,000	63,000	*60,000
Conoco Inc.—Santa Maria	9,500		
Edgington Oil Co. Inc.— Long Beach	41,600		
Exxon Co.—Benicia	128,000	67,000	*32,000
Fletcher Oil & Refining Co.— Carson	29,657	22,000	*6,100
Golden West Refining Co.— Santa Fe Springs	44,000	*13,500	*19,000
Huntway Refining Co.—Benicia	8,400	.....	.....
Wilmington	5,500	.....	.....
Kern Oil & Refining Co.— Bakersfield	20,000	.....	*3,000
Lunday-Thagard Co.—South Gate	7,000	.....	.....
Mobil Oil Corp.—Torrance	123,000	63,000	*36,000
Pacific Refining Co.—Hercules	*52,250	.....	*15,000
Paramount Petroleum Corp.— Paramount	42,700	.....	*8,500
Powerine Oil Co.— Santa Fe Springs	46,500	*12,500	*10,000
San Joaquin Refining Co.— Bakersfield	18,000	.....	.....
Shell Oil Co.—Martinez	140,100	*66,000	*28,000
Wilmington	133,300	*42,000	*24,000
Suntand Refining Corp.— Bakersfield	15,000	.....	*1,500
Ten By, Inc.—Oxnard	4,000	.....	.....
Texaco Refining & Marketing Inc.— Bakersfield	*49,400	.....	*23,000
Wilmington	*95,000	*30,000	*40,000
Tosco Corp.—Martinez	132,000	*62,000	*20,000
			*23,000
Ultramar, Inc.—Wilmington	68,000	38,000	*14,500
Unocal Corp.—Los Angeles	108,000	47,000	*52,000
San Francisco (includes Santa Maria)	113,100		*34,000
Witco Chemical Corp.,Golden Bear Division—Oildale	10,348		
Total	**2,150,555**	**660,000**	**547,600**
Solvent extraction: 155,000 b/sd			
Colorado			
Colorado Refining Co.— Commerce City	28,000	8,500	*9,500
Conoco Inc.—Denver	48,000	*19,000	*10,000
Landmark Petroleum Inc.—Fruita	15,200		*3,400
Total	**91,200**	**27,500**	**22,900**
Delaware			
Star Enterprise—Delaware City	140,000	67,000	*11,000
			*41,000
Total	**140,000**	**67,000**	**52,000**
Georgia			
Amoco Oil Co.—Savannah	28,000		
Young Refining Corp.— Douglasville	7,500		
Total	**35,500**	.....	.....

Company and refinery location	Crude b/cd	b/sd Catalytic cracking	b/sd Catalytic reforming
Hawaii			
Chevron U.S.A. Inc.—			
Barber's Point	52,800	[1]20,000	
Hawaiian Independent Refinery Inc.—Ewa Beach	[2]90,250		[3]13,000
Total	**143,050**	**20,000**	**13,000**

[1]Dimersol

Illinois			
Clark Oil & Refining Corp.—			
Blue Island	66,500	[1]25,000	[2]30,500
Hartford	57,000	[1]26,000	[2]12,000
Indian Refining Co.—Lawrenceville	54,000	[1]34,000	[2]15,000
Marathon Oil Co.—Robinson	170,000	[1]42,000	[4]36,500
			[3]39,500
Mobil Oil Corp.—Joliet	180,000	[1]98,000	[4]46,000
Shell Oil Co.—Wood River	274,000	[1]94,000	[2]18,000
			[5]75,000
Uno-Ven Co.—Lemont	147,000	[1]58,000	[2]29,800
Total	**948,500**	**377,000**	**302,300**

Indiana			
Amoco Oil Co.—Whiting	350,000	[1]145,000	[4]90,000
Countrymark Cooperative, Inc.—			
Mt. Vernon	20,600	[2]7,000	[3]4,000
Laketon Refining Corp.—Laketon	8,300	.....	.....
Marathon Oil Co.—			
Indianapolis[1]	50,000	[1]20,000	[1]10,500
Total	**428,900**	**172,000**	**104,500**

Solvent extraction. [1]5,000.

Kansas			
Coastal Refining and Marketing Inc.—Augusta			[4]10,000
El Dorado[1]	[2]30,400	[3]14,500	[3]4,500
Wichita	[2]29,925	[1]19,000	[2]6,500
Farmland Industries Inc.—			
Coffeyville	59,600	[1]25,000	[2]16,000
Phillipsburg	26,400		[2]5,300
National Cooperative Refinery Association—McPherson	70,900	[1]20,000	[2]15,000
Texaco Refining & Marketing Inc.—			
El Dorado	80,000	[1]31,500	[2]25,500
Total Petroleum Inc.—			
Arkansas City	56,000	[1]19,500	[2]18,000
Total	**353,225**	**129,500**	**100,800**

Solvent extraction. [1]5,500 b/sd. †Includes C_5-C_6 isom. feed.

Kentucky			
Ashland Petroleum Co.—			
Catlettsburg	213,400	[1]60,000	[2]18,000
		[6]40,000	[2]27,000
Somerset Refinery Inc.—Somerset	5,500		[2]1,000
Total	**218,900**	**100,000**	**46,000**

§Reduced crude converter.

Louisiana			
American International Refinery, Inc.—Lake Charles	[2]28,500		
Atlas Processing Co., Division of Pennzoil—Shreveport	46,200		[2]5,000
BP Oil Co.—Belle Chasse	[2]218,500	[1]89,000	[1]37,400
Calcasieu Refining Co.—			
Lake Charles	13,500		
Calumet Lubricants Co.—Princeton	4,376		
Canal Refining Co.—Church Point	9,865		[1]1,900
CAS Refining Inc.—Mermentau	15,000		
Citgo Petroleum Corp.—			
Lake Charles	320,000	[1]150,000	[1]52,000
			[5]54,000
Conoco Inc.—Lake Charles	159,500	[1]42,500	[1]16,000
			[5]12,000

Company and refinery location	Crude b/cd	b/sd Catalytic cracking	b/sd Catalytic reforming
Exxon Co.—Baton Rouge[1]	421,000	[1]188,000	[4]90,000
Kerr-McGee Refining Corp.—			
Cotton Valley	7,800	.....	.....
Marathon Oil Co.—Garyville[5]	225,000	[1]88,000	[3]45,000
Mobil Oil Corp.—Chalmette	160,000	[1]58,000	[2]28,000
			[4]19,000
Murphy Oil USA Inc.—Meraux[2]	97,000	[1]35,000	[4]23,000
Phibro Refining Inc.—Krotz Springs	56,700	[1]28,000	[2]12,000
St. Rose	28,300	.....	.....
Placid Refining Co.—Port Allen[1]	48,000	[1]19,000	[2]10,000
Shell Oil Co.—Norco	215,000	.....	[2]16,000
			[3,4]38,000
Star Enterprise—Convent	225,000	[1]85,000	[2]40,000
Total	**2,299,241**	**782,500**	**499,300**

Solvent extraction. [1]6,900 b/sd. [2]15,000 b/sd. [3]5,000 b/sd. [4]30,000 b/sd.

Michigan			
Crystal Refining Co.—Carson City	4,000	.....	.....
Lakeside Refining Co.—Kalamazoo	5,600	.....	[1]1,000
Marathon Oil Co.—Detroit	70,000	[1]27,000	[2]18,500
Total Petroleum Inc.—Alma	45,600	[1]19,500	[2]14,000
Total	**125,200**	**46,500**	**33,500**

Minnesota			
Ashland Petroleum Co.—			
St. Paul Park	67,100	[1]23,000	[2]23,500
Koch Refining Co.—Rosemount	[2]218,500	[1]55,000	[2]6,000
			[5]26,000
Total	**285,600**	**78,000**	**55,500**

Mississippi			
Amerada Hess Corp.—Purvis	30,000	[2]16,000	[2]5,800
Chevron U.S.A. Inc.—Pascagoula	295,000	[1]66,000	[2]90,000
Ergon Refining Inc.—Vicksburg	16,800	.....	.....
Southland Oil Co.—Lumberton	5,800	.....	.....
Sandersville	11,000	.....	.....
Total	**356,600**	**82,000**	**95,800**

Montana			
Cenex—Laurel[1]	40,400	[1]12,000	[2]12,000
Conoco Inc.—Billings[2]	49,500	[1]19,000	[3]14,700
Exxon Co.—Billings	42,000	[1]21,000	[1]10,000
Montana Refining Co.—Great Falls	7,000	[1]2,400	[1]1,000
Total	**138,900**	**54,400**	**37,700**

Solvent extraction. [1]4,000 b/sd. [2]7,500 b/sd (PDA).

Nevada			
Petro Source Refining Partners—			
Tonopah	4,500	.....	.....

New Jersey			
Amerada Hess Corp.—			
Port Reading		[1]50,000	
Chevron U.S.A. Inc.—Perth Amboy	80,000		
Coastal Eagle Point Oil Co.—			
Westville	[2]109,250	[1]50,000	[2]27,000
Exxon Co.—Linden	130,000	[1]120,000	[2]28,000
Mobil Oil Corp.—Paulsboro[1]	100,000	[1]36,000	[2]23,500
Seaview Petroleum Co. L.P.—			
Thorofare	80,000		
Total	**499,250**	**256,000**	**78,500**

Solvent extraction. [1]9,500 b/sd.

New Mexico			
Bloomfield Refining Co.—			
Bloomfield	16,150	[1]6,200	[1]4,000
Giant Industries Inc.—Gallup	20,000	[1]7,800	[1]6,800
Navajo Refining Co.—Artesia	[2]38,000	[1]20,000	[1]8,000
Thriftway Marketing Corp.—			
Farmington	2,500		[1]500
Total	**76,650**	**34,000**	**19,300**

Company and refinery location	Crude b/cd	b/sd Catalytic cracking	b/sd Catalytic reforming
New York			
Cibro Petroleum Products Co.—Albany	39,900	.....	.....
North Dakota			
Amoco Oil Co.—Mandan	58,000	[1]26,000	[1]12,100
Total	**58,000**	**26,000**	**12,100**
Ohio			
Ashland Petroleum Co.—Canton	66,000	[1]25,000	[1]20,000
BP Oil Co.—Lima	[*]142,500	[1]34,000	[4]55,000
Toledo	[*]120,650	[1]55,000	[1]23,000
			[4]19,000
Sun Refining & Maketing Co.—Toledo[5]	125,000	[1]60,000	[1]45,600
Total	**454,150**	**174,000**	**162,600**

Solvent extraction: [1]9,000 b/sd.

Oklahoma			
Barrett Refining Corp.—Thomas	11,000	.....	.....
Conoco Inc.—Ponca City	140,000	[1]53,000	[1]36,000
Cyril Petrochemical Corp.—Cyril	12,500	.....	.....
Kerr-McGee Refining Corp.—Wynnewood[1]	43,000	[1]20,000	[1]12,500
Sinclair Oil Corp.—Tulsa	50,000	[1]18,000	[1]12,000
Sun Refining & Marketing Co.—Tulsa[2]	85,000	[1]30,000	[1]24,000
Total Petroleum Inc.—Ardmore	68,000	[1]25,000	[1]17,000
Total	**409,500**	**146,000**	**101,500**

Solvent extraction: [1]5,000 b/sd. [2]10,000 b/sd.

Oregon			
Chevron U.S.A. Inc.—Portland			
Pennsylvania			
BP Oil Co.—Marcus Hook	[*]171,000	[1]50,000	[1]50,000
Chevron U.S.A. Inc.—Philadelphia	175,000	[1]62,000	[1]34,000
Pennzoil Products Co.—Rouseville	15,700	.....	[1]5,820
Sun Refining & Marketing Co.—Marcus Hook	175,000	[1]87,000	[1]24,000
Philadelphia	130,000	[1]40,000	[1]50,000
United Refining Co.—Warren	[*]64,600	[1]22,000	[1]16,000
Witco Chemical Co.—Bradford	10,000	.....	[1]1,800
Total	**741,300**	**261,000**	**181,620**

Solvent extraction: [1]730 b/sd.

Tennessee			
Mapco Petroleum Inc.—Memphis	75,000	[1]38,000	[1]14,000
Total	**75,000**	**38,000**	**14,000**
Texas			
Amoco Oil Co.—Texas City	433,000	[1]200,000	[1]160,000
Chevron U.S.A. Inc.—El Paso	66,000	[1]22,000	[1]25,000
Port Arthur	315,300	[1]120,000	[1]23,000
			[4]44,100
Citgo—Corpus Christi	132,500	[1]76,500	[1]54,000
Coastal Refining & Marketing Inc.—Corpus Christi	[*]90,250	[1]18,500	[1]11,000
			[4]17,500
Crown Central Petroleum Corp.—Houston	100,000	[1]56,000	[1]14,000
			[4]22,000
Diamond Shamrock Corp.—Sunray	111,000	[1]45,000	[1]15,000
			[4]25,000
Three Rivers[5]	53,000	[1]20,000	[1]9,000
			[4]10,000
El Paso Refining Co. Ltd.—El Paso	[*]52,250	[1]28,000	[1]7,200
Exxon Co. U.S.A.—Baytown[3]	396,000	[1]80,000	[1]60,000
			[4]63,000
Fina Oil & Chemical Co.—Big Spring[6]	55,000	[1]22,000	[1]20,000
Port Arthur[3]	110,000	[1]36,000	[1]34,000
Howell Hydrocarbons Inc.—San Antonio	1,900	.....	.....
Koch Refining Co.—Corpus Christi	125,000	40,000	[1]15,000
			[4]33,500
LaGloria Oil & Gas Co.—Tyler	49,500	[1]17,000	[1]4,000
			[4]11,700

Company and refinery location	Crude b/cd	b/sd Catalytic cracking	b/sd Catalytic reforming
Leal Petroleum Corp.—Nixon	12,000	.....	.....
Liquid Energy Corp.—Bridgeport	10,000	.....	.....
Lyondell Petrochemical Co.—Houston[7]	265,000	[1]90,000	[1]110,000
Marathon Oil Co.—Texas City	70,000	[1]34,000	[1]10,500
Mobil Oil Corp.—Beaumont	275,000	[1]102,000	[1]57,000
			[4]46,000
Phibro Refining Inc.—Houston[8]	67,000	[1]61,000	[1]13,500
Texas City	123,500	[1]50,000	[1]11,000
			[4]12,000
Phillips 66 Co.—Borger	105,000	[1]60,000	[1]26,000
Sweeny	175,000	[1]87,000	[1]36,000
Pride Refining Inc.—Abilene	45,500	.....	[1]6,000
Shell Oil Co.—Deer Park	215,900	[1]65,000	[1]20,000
			[4]43,000
Odessa	28,600	[1]10,500	[1]10,000
Southwestern Refining Co., Inc.—Corpus Christi	104,000	[1]50,000	[1]30,000
Star Enterprise—Port Arthur	250,000	[1]131,000	[1]50,000
Trifinery—Corpus Christi	18,000	.....	.....
Valero Refining Co.—Corpus Christi	27,000	[1][*]65,000	[1]27,000
Total	**3,882,200**	**1,686,500**	**1,186,000**

Solvent extraction: [1]15,000 b/sd. [2]7,000 b/sd. [3]53,000 b/sd. [4]10,000 b/sd. [5]18,000 b/sd. [6]17,000 b/sd. [7]6,000 b/sd.
[*]Heavy oil cracker.

Utah			
Amoco Oil Co.—Salt Lake City	40,000	[1]18,000	[1]7,600
Big West Oil Co.—Salt Lake City	24,000	[1]5,000	[1]5,000
Chevron U.S.A.—Salt Lake City	45,000	[1]11,000	[1]7,500
		[2]7,000	
Crysen Refining Inc.—Woods Cross	12,500	.....	[1]3,000
Pennzoil Products Co.—Roosevelt	8,000	[1]6,000	[1]2,000
Phillips 66 Co.—Woods Cross[1]	25,000	[1]8,400	[1]6,000
Total	**154,500**	**55,400**	**31,100**

Solvent extraction: [1]5,000 b/sd.

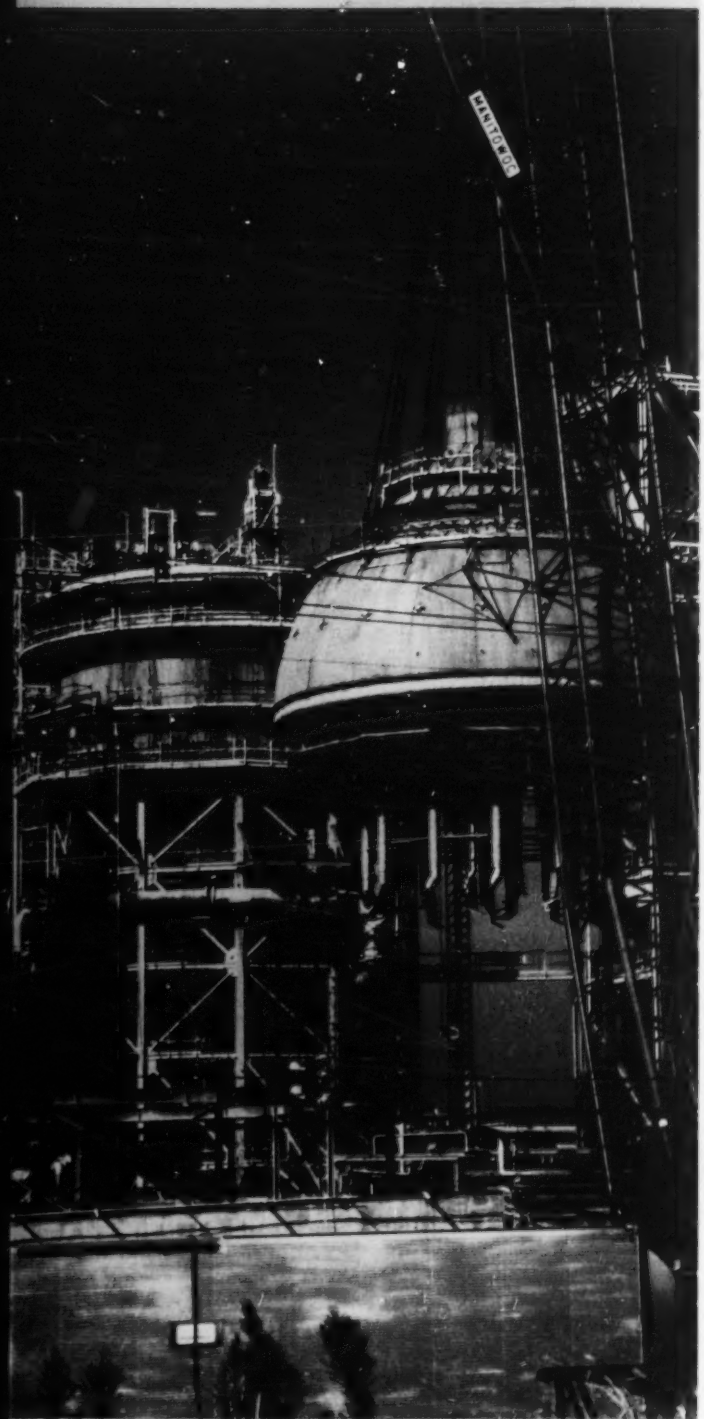
Virginia			
Amoco Oil Co.—Yorktown	53,000	[1]27,500	[1]10,200
Total	**53,000**	**27,500**	**10,200**
Washington			
Atlantic Richfield Co.—Ferndale	167,000	.....	[1]56,000
BP Oil Co.—Ferndale	[*]90,250	[1]28,500	[1]16,500
Chevron U.S.A. Inc.—Seattle			
Shell Oil Co.—Anacortes	89,300	[1]42,000	[1]26,000
Sound Refining Inc.—Tacoma	11,900		
Texaco Refining & Marketing Inc.—Anacortes[1]	132,000	[1]51,000	[1]30,000
U.S. Oil & Refining Co.—Tacoma	32,775		[1]6,000
Total	**523,225**	**121,500**	**134,500**

Solvent extraction: [1]4,500 b/sd.

West Virginia			
Phoenix Refining Co.—St. Mary's	19,180		[1]1,500
Quaker State Oil Refining Corp.—Newell	10,500		[1]3,400
Total	**29,680**	.....	**4,900**

Solvent extraction: [1]1,000 b/sd.

Wisconsin			
Murphy Oil USA Inc.—Superior	32,000	11,000	8,000
Wyoming			
Frontier Oil & Refining Co.—Cheyenne	35,000	12,000	[1]6,600
Little America Refining Co.—Casper	22,000	[1]14,000	[1]6,000
Sinclair Oil Corp.—Sinclair	54,000	21,000	[1]14,500
Wyoming Refining Co.—Newcastle	11,900	[1]5,500	[1]2,750
Total	**122,900**	**52,500**	**29,850**



Unit head, with new cyclones is replaced during revamp of the fluid catalytic cracking unit at Chevron U.S.A. Inc.'s 324,000 b/sd refinery at Port Arthur, Tex. (Photo courtesy Stone & Webster).

UNITED STATES

Survey of operating refineries in the U.S. (state capacities as of January 1, 1992)

State	No. plants	Crude capacity b/cd	Cat cracking Fresh feed (b/sd)	Cat reforming (b/sd)
Alabama	4	154,250		32,500
Alaska	5	224,500		12,000
Arizona	2	14,210		
Arkansas	3	60,470	18,500	9,000
California	30	2,150,555	660,000	547,600
Colorado	3	91,200	27,500	22,900
Delaware	1	140,000	67,000	52,000
Georgia	2	35,500		
Hawaii	2	143,050	20,000	13,000
Illinois	7	948,500	377,000	302,300
Indiana	4	428,900	172,000	104,500
Kansas	8	353,225	129,500	100,800
Kentucky	2	218,900	100,000	46,000
Louisiana	19	2,299,241	782,500	499,300
Michigan	4	125,200	46,500	33,500
Minnesota	2	285,600	78,000	55,500
Mississippi	5	358,600	82,000	95,800
Montana	4	138,900	54,400	37,700
Nevada	1	4,500		
New Jersey	6	499,250	256,000	78,500
New Mexico	4	76,650	34,000	19,300
New York	1	39,900		
North Dakota	1	58,000	26,000	12,100
Ohio	4	454,150	174,000	162,600
Oklahoma	7	409,500	146,000	101,500
Oregon	1			
Pennsylvania	7	741,300	261,000	181,620
Tennessee	1	75,000	38,000	14,000
Texas	31	3,882,200	1,686,500	1,186,000
Utah	6	154,500	55,400	31,100
Virginia	1	53,000	27,500	10,200
Washington	7	523,225	121,500	134,500
West Virginia	2	29,680		4,900
Wisconsin	1	32,000	11,000	8,000
Wyoming	4	122,900	52,500	29,850
Total	**192**	**15,326,556**	**5,504,300**	**3,938,570**

Worldwide production statistics

NORTH AMERICA

Upper figures = 1,000 b/d
Lower figures = million t/y

	1940	1950	1960	1970	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991
Canada	23.5 1.2	79.6 4.0	525.6 26.2	1,263.6 62.9	1,412.0 70.3	1,396.0 69.5	1,430.0 71.2	1,453.0 72.4	1,475.3 73.5	1,508.3 75.1	1,604.6 79.9	1,588.0 79.1	1,508.0 75.1	1,523.3 75.9
U.S.	3,707.4 184.6	5,407.1 269.3	7,054.6 351.3	9,630.0 479.6	8,568.0 426.7	8,669.0 431.7	8,750.0 435.8	8,919.0 444.2	8,790.0 437.7	8,276.7 412.2	8,105.9 403.7	7,675.6 382.2	7,220.0 359.6	7,371.4 367.1
Total	3,730.9 185.8	5,486.7 273.3	7,580.2 377.5	10,893.6 542.5	9,981.0 497.0	10,065.0 501.2	10,180.0 507.0	10,372.0 516.6	10,265.3 511.2	9,785.0 487.3	9,710.5 483.6	9,263.6 461.3	8,728.0 434.7	8,894.7 443.0

MIDDLE EAST

Upper figures = 1,000 b/d
Lower figures = million t/y

	1940	1950	1960	1970	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991
Abu Dhabi	... ...	... ...	... ...	693.8 34.6	1,350.0 67.2	757.0 37.7	750.0 37.4	705.1 35.1	949.0 47.3	969.4 48.3	1,012.6 50.4	1,359.0 67.7	1,587.0 79.0	1,945.8 96.9
Bahrain	19.3 1.0	30.2 1.5	45.1 2.2	76.6 3.8	48.0 2.4	41.0 2.0	41.0 2.0	41.9 2.1	44.0 2.2	43.2 2.2	42.3 2.1	42.2 2.1	42.0 2.1	38.2 1.9
Dubai	... ...	... ...	... ...	... ...	349.0 17.4	327.0 16.3	324.0 16.1	348.0 17.3	350.0 17.4	381.2 19.0	355.3 17.7	410.6 20.4	469.0 23.4	434.0 21.6
Iran	181.2 9.0	664.3 33.1	1,067.6 53.2	3,328.8 165.8	1,467.0 73.1	2,608.0 129.9	2,166.0 107.9	2,279.0 113.5	1,806.3 90.0	2,041.7 101.7	2,107.6 105.0	2,934.3 146.1	3,135.0 156.1	3,342.0 166.4
Iraq	60.7 3.0	136.2 6.8	1,004.2 50.0	1,548.6 77.1	2,638.0 131.4	905.0 45.1	1,218.0 60.7	1,396.8 69.6	1,787.7 89.0	2,095.8 104.4	2,679.2 133.4	2,830.0 140.9	2,083.0 103.7	280.0 13.9
Israel	... ...	... ...	2.5 0.1	70.2 3.5	1.0 ...	0.2 ...	0.1 ...	0.1 ...	0.1 ...	1.0 ...	0.3 ...	0.3 ...	0.3 ...	0.2 ...
Jordan	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	4.0 0.2	0.5 ...	0.3 ...	0.4 ...	0.3 ...
Kuwait	... ...	344.4 17.2	1,828.2 91.1	2,734.5 136.2	1,382.0 68.8	912.0 45.4	925.0 46.1	823.9 41.0	1,262.0 62.9	1,096.8 54.6	1,264.2 62.9	1,542.6 76.8	1,860.0 92.6	126.3 6.3
Neutral Zone	... ...	... ...	136.2 6.8	500.6 24.9	540.0 26.9	398.0 19.8	420.0 20.9	357.8 17.8	325.7 16.2	399.2 19.9	316.3 15.8	396.6 19.8	315.0 15.7	129.7 6.5
Oman	... ...	... ...	... ...	332.4 16.6	283.0 14.1	376.0 18.8	404.0 20.1	481.3 24.1	548.8 26.9	503.0 25.1	536.7 25.7	627.7 31.2	653.0 32.8	709.0 23.1
Qatar	... ...	33.6 1.7	175.1 8.7	362.4 18.0	472.0 23.5	270.0 13.4	395.0 19.7	297.0 14.8	332.3 16.5	284.4 14.2	349.2 17.4	394.6 19.7	387.0 19.3	390.0 19.4
Ras Al Khaimah	... ...	... ...	... ...	... ...	... ...	... ...	5.8 0.3	9.1 0.5	11.0 0.6	10.0 0.5	10.0 0.5	10.0 0.5	15.0 0.8	0.8 ...
Saudi Arabia	13.9 0.7	546.7 27.2	1,247.1 62.1	3,548.9 176.7	9,630.0 479.6	4,872.0 242.6	4,545.0 226.3	3,295.3 164.1	4,719.7 235.0	4,054.2 201.9	4,708.3 234.5	4,935.6 245.8	6,215.0 309.5	8,157.7 406.3
Sharjah	... ...	... ...	... ...	... ...	16.0 0.8	35.0 1.7	62.4 3.0	66.1 3.3	46.0 2.3	46.3 2.3	46.0 2.3	46.0 2.3	35.0 1.7	24.7 1.2
Syria	... ...	... ...	... ...	83.1 4.1	165.0 8.2	166.0 8.2	161.0 8.0	161.7 8.1	185.0 9.2	231.7 11.5	273.3 13.6	300.6 15.0	385.0 19.2	473.0 23.6
Yemen	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	10.0 0.5	20.0 1.0	177.4 8.8	206.4 10.3	178.0 8.9	200.0 10.0
Total	275.1 12.7	1,755.4 87.5	5,398.0 264.2	13,279.0 661.3	18,335.0 913.1	11,668.2 580.0	11,410.0 568.6	10,265.5 511.3	12,328.6 613.8	12,553.5 625.2	14,043.1 699.3	15,031.0 748.3	16,568.7 825.0	16,348.5 808.1

WESTERN EUROPE

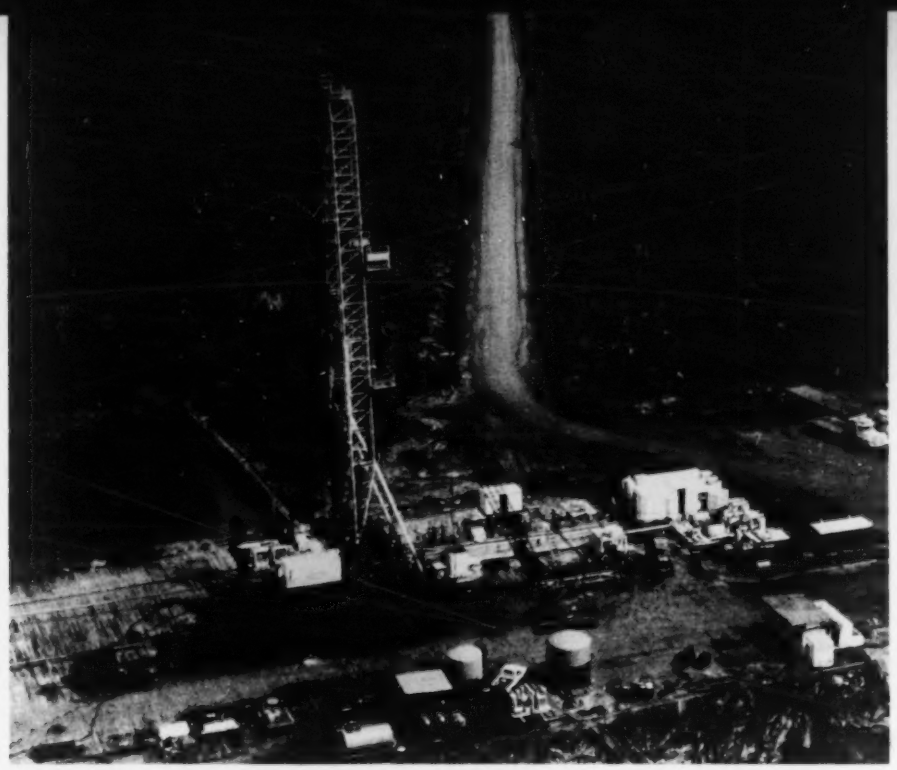
Upper figures = 1,000 b/d
Lower figures = million t/y

	1940	1950	1960	1970	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991
Austria	7.7	27.9	45.4	53.3	29.0	24.0	23.0	21.7	22.2	21.6	23.2	23.3	24.0	25.9
	0.4	1.4	2.3	2.7	1.4	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3
[illegible]	...	...	...	...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	...	...	...	...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
France	1.4	2.5	38.6	45.8	26.0	32.0	35.0	49.0	59.0	63.5	68.7	65.3	62.0	58.5
	0.1	0.1	1.9	2.3	1.3	1.6	1.7	2.4	2.9	3.2	3.4	3.3	3.1	2.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Greece	...	...	...	...	...	25.0	27.0	26.4	26.4	24.4	21.8	17.0	15.0	15.3
	...	...	...	...	...	1.2	1.3	1.3	1.3	1.2	1.1	0.8	0.7	0.8
Italy	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Netherlands	...	13.4	36.0	35.8	25.0	42.0	61.0	69.0	79.0	91.3	83.7	87.0	71.0	66.3
	...	0.7	1.8	1.8	1.2	2.1	3.0	3.4	3.9	4.5	4.2	4.3	3.5	3.3
Norway	...	...	...	...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	...	...	...	...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Spain	...	...	...	3.1	32.0	59.0	45.0	45.3	37.2	32.8	30.4	18.0	14.3	21.3
	...	...	...	0.2	1.6	2.9	2.2	2.3	1.9	1.6	1.5	0.9	0.7	1.1
Turkey	...	0.3	7.0	67.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	...	...	0.3	3.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
United Kingdom	0.3	0.9	1.7	1.7	1,619.0	2,260.0	2,452.0	2,519.8	2,602.0	2,445.9	2,376.3	1,743.0	1,860.0	1,779.3
	...	...	0.1	0.1	80.6	112.5	122.1	125.5	129.6	121.8	118.3	86.8	92.6	88.6
Total	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

AFRICA

Upper figures = 1,000 b/d
Lower figures = million t/y

	1940	1950	1960	1970	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991
Algeria	...	...	182.7	1,029.1	1,016.0	686.6	608.0	643.3	600.7	647.9	666.8	698.0	797.0	798.0
	...	...	9.1	51.2	50.6	34.2	30.3	32.0	29.9	32.3	33.2	34.8	39.7	39.7
Angola (inc. Cabinda)	...	...	1.3	13.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	...	...	0.1	0.7	7.5	[illegible]	[illegible]	11.4	14.0	17.0	[illegible]	22.6	23.9	24.6
Cameroon	...	...	...	...	58.0	114.0	125.0	133.5	180.0	170.0	170.0	172.7	164.0	151.5
	...	...	...	...	2.9	5.7	6.2	6.6	9.0	8.5	8.5	8.6	8.2	7.5
Congo	...	...	...	...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	...	...	...	...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Egypt	18.1	44.9	61.6	327.3	596.0	690.0	790.0	885.8	773.7	899.3	851.3	854.3	873.0	885.0
	0.9	2.2	3.1	16.3	29.7	34.4	39.3	44.1	38.5	44.8	42.4	42.5	43.5	44.1
Gabon	...	...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	...	...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ivory Coast	...	...	...	...	...	24.0	22.0	28.0	20.0	16.0	12.9	2.0	2.1	2.0
	...	...	...	...	...	1.2	1.1	1.4	1.0	0.8	0.6	0.1	0.1	0.1
Libya	...	...	...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	...	...	...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nigeria	...	...	17.3	1,083.3	2,057.0	1,232.0	1,414.0	1,445.5	1,464.0	1,236.6	1,358.3	1,605.3	1,808.0	1,857.3
	...	...	0.9	53.9	102.4	61.4	70.4	72.0	72.9	61.7	67.6	79.9	90.0	92.5
Tunisia	...	...	3.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	...	...	0.1	4.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Zaire	...	...	...	...	20.0	26.0	27.0	30.5	32.1	31.8	29.5	27.5	28.0	28.4
	...	...	...	...	1.0	1.3	1.3	1.5	1.6	1.6	1.5	1.4	1.4	1.4
Others	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total	18.1	48.7	269.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	0.5	2.2	14.2	287.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



New discoveries of oil and gas are sought by Indonesia's Pertamina and its partners in remote regions. (Photo courtesy OPEC Bulletin.)

ASIA-PACIFIC

Upper figures = 1,000 b/d
Lower figures = million t/y

	1940	1950	1960	1970	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991
Australia	...	...	...	175.6	379.0	405.0	481.0	556.0	472.0	566.1	552.3	488.8	582.0	543.0
	...	...	...	8.7	18.9	20.2	24.0	27.7	23.5	28.2	27.5	24.3	29.0	27.0
Bangladesh	...	...	...	...	...	...	...	...	...	0.5	0.9	0.9	0.9	0.8
	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brunei	19.3	84.8	92.9	148.0	230.0	155.0	160.0	149.5	170.0	133.7	138.3	143.3	143.0	151.3
	1.0	4.2	4.6	7.4	11.5	7.7	8.0	7.4	8.5	6.7	6.9	7.1	7.1	7.5
China	...	4.0	100.0	500.0	2,113.0	2,120.0	2,250.0	2,496.7	2,670.0	2,700.0	2,733.0	2,770.0	2,755.0	2,800.0
	...	0.2	5.0	24.9	105.5	105.6	112.1	124.5	133.4	134.8	136.1	137.9	137.2	139.4
China, Taiwan	...	...	0.4	1.8	5.0	2.3	2.6	2.7	1.9	2.6	2.6	2.6	2.5	1.9
	...	...	...	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
India	3.9	7.1	9.0	130.6	182.0	390.0	543.0	614.7	622.7	606.7	631.8	673.3	675.0	647.0
	0.2	0.5	0.4	6.5	9.1	19.4	27.0	30.6	31.0	30.3	31.4	33.5	33.6	32.2
Indonesia	169.4	132.6	411.2	853.6	1,576.0	1,292.0	1,332.0	1,219.5	1,243.8	1,185.8	1,137.5	1,208.6	1,274.0	1,432.6
	8.4	6.6	2.05	42.5	78.5	64.3	66.3	60.7	61.9	59.1	56.6	60.2	63.4	71.3
Japan	7.2	5.6	10.2	15.3	10.5	6.9	6.4	10.3	12.8	12.1	12.3	11.3	10.5	14.0
	0.4	0.3	0.5	0.8	0.5	0.3	0.3	0.5	0.6	0.6	0.6	0.6	0.5	0.7
Malaysia	...	...	...	...	288.0	370.0	462.0	432.8	503.3	467.4	540.0	557.3	605.0	629.0
	...	...	...	...	14.3	18.4	23.0	21.6	25.1	23.3	26.9	27.8	30.1	31.3
Myanmar (Burma)	21.1	1.6	11.1	33.4	30.0	35.0	30.0	25.0	20.0	24.0	15.0	12.0	13.0	12.0
	1.1	0.1	0.6	0.8	1.5	1.8	1.5	1.3	1.0	1.2	0.7	0.6	0.6	0.6
New Zealand	...	...	...	...	7.0	15.0	18.0	18.0	29.3	28.3	28.0	28.0	39.0	40.0
	...	...	...	...	0.3	0.7	0.9	0.9	1.5	1.4	1.4	1.4	1.9	2.0
Pakistan	2.4	3.5	7.2	9.9	13.0	13.0	15.0	34.1	41.0	41.0	47.0	49.0	60.0	69.1
	0.1	0.2	0.4	0.5	0.5	0.6	0.8	1.7	2.0	2.1	2.3	2.5	3.0	3.5
Papua New Guinea	...	4.8	4.2	...	...	...	...	...	...	...	...	...	...	...
	...	0.2	0.2	...	...	...	...	...	...	...	...	...	...	...
Philippines	...	...	...	...	15.9	15.0	12.0	9.3	6.7	4.1	9.5	4.5	5.0	3.0
	...	...	...	...	0.7	0.7	0.6	0.5	0.3	0.2	0.5	0.2	0.3	0.1
Thailand	...	...	...	0.4	...	11.0	19.0	34.3	35.6	31.3	38.4	39.0	41.0	46.6
	...	...	...	...	...	0.5	0.9	1.7	1.8	1.6	1.9	1.9	2.0	2.3
Viet Nam*	...	...	...	...	...	...	...	...	...	...	...	...	48.0	68.0
	...	...	...	...	...	...	...	...	...	...	...	...	2.0	3.0
Total	223.3	241.9	646.2	1,860.8	4,861.0	4,825.2	5,334.0	5,808.4	5,788.7	5,807.2	5,808.3	5,994.1	6,340.9	6,458.6
	11.2	12.1	32.2	92.8	241.5	240.0	265.6	279.2	288.3	289.4	283.0	287.8	310.9	321.3

*Prior to 1990, included in other Eastern Europe - U.S.S.R.

LATIN AMERICA

Upper figures = 1,000 b/d
Lower figures = million t/y

	1940	1950	1960	1970	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991
Argentina	56.3	64.0	171.9	382.9	487.0	481.0	467.0	447.5	430.2	419.1	449.6	459.0	473.0	487.3
	2.8	3.2	8.6	19.1	24.3	24.0	23.3	22.3	21.4	20.9	22.4	22.9	23.6	24.3
Bolivia	0.8	1.7	9.8	16.3	30.0	22.0	20.0	20.0	18.7	18.5	18.8	20.3	19.2	22.3
	...	0.1	0.5	0.8	1.5	1.1	1.0	1.0	0.9	0.9	0.9	1.0	1.0	1.1
Brazil	...	0.9	80.9	160.5	182.0	315.0	437.0	540.5	578.0	562.8	555.6	597.1	633.0	635.8
	...	...	4.0	8.0	9.1	15.7	21.8	26.9	28.8	28.0	27.7	29.7	31.5	31.7
Chile	...	1.7	19.8	34.6	29.0	39.0	38.0	32.5	34.4	28.3	24.8	23.7	20.3	17.8
	...	0.1	1.0	1.7	1.4	1.9	1.9	1.6	1.7	1.4	1.2	1.2	1.0	0.9
Colombia	69.9	93.3	152.7	214.0	125.0	155.0	165.0	178.8	324.2	387.8	346.7	405.0	445.0	439.2
	3.5	4.6	7.6	10.7	6.2	7.7	8.2	8.9	16.1	19.3	17.3	20.2	22.2	21.9
Cuba*	...	...	...	...	...	...	...	...	...	...	...	...	15.0	15.0
	...	...	...	...	...	...	...	...	...	...	...	...	0.7	0.7
Ecuador	6.4	7.2	7.7	4.1	222.0	236.0	254.0	273.3	270.1	157.2	310.1	286.6	287.0	292.6
	0.3	0.4	0.4	0.2	11.1	11.8	12.6	13.6	13.5	7.8	15.4	14.3	14.3	14.6
Guatemala	...	...	...	...	5.0	7.5	5.2	3.1	4.9	3.9	3.7	3.7	4.0	3.8
	...	...	...	...	0.2	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Mexico	120.3	196.5	270.6	430.2	1,936.0	2,702.0	2,743.0	2,797.0	2,468.0	2,537.8	2,527.3	2,618.0	2,633.0	2,777.0
	6.0	9.9	13.5	21.4	96.4	134.6	136.6	139.3	122.9	126.4	125.9	130.4	131.1	138.3
Peru	33.2	41.1	52.6	72.2	191.0	171.0	201.0	189.0	179.0	166.7	141.7	129.0	132.0	116.2
	1.7	2.0	2.6	3.6	9.5	8.5	10.0	9.4	8.9	8.3	7.1	6.4	6.6	5.8
Trinidad & Tobago	60.9	56.5	115.7	139.8	211.0	158.0	169.0	179.0	167.9	163.1	149.3	153.7	151.0	144.9
	3.0	2.8	5.8	7.0	10.5	7.9	8.4	8.9	8.4	8.1	7.4	7.7	7.5	7.2
Venezuela	507.0	1,498.0	2,846.1	3,708.0	2,167.0	1,791.0	1,724.0	1,669.0	1,664.9	1,591.9	1,688.0	1,731.6	2,118.0	2,341.3
	25.2	74.6	141.7	184.7	107.9	89.2	85.9	83.1	82.9	79.3	82.6	86.2	105.5	116.6
Others	...	...	...	...	...	0.5	2.2	2.9	3.6	3.6	3.7	4.9	5.2	5.3
	...	...	...	...	...	...	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3
Total	854.9	1,982.9	3,727.8	5,162.8	5,965.0	6,078.0	6,225.4	6,332.6	6,143.9	6,048.7	6,166.3	6,432.6	6,835.7	7,288.5
	42.5	97.7	185.7	257.2	276.1	302.6	310.1	315.3	305.9	300.6	306.3	320.4	340.5	362.9
World Total, excl. E. Europe	5,131.9	9,581.0	17,818.7	37,048.4	47,232.0	40,228.6	41,380.0	41,148.8	43,192.8	42,874.0	44,854.9	46,846.8	48,511.0	49,385.2
U.S.S.R.	255.6	476.2	867.5	1,870.0	2,352.0	2,002.9	2,060.5	2,049.3	2,150.7	2,135.6	2,233.6	2,332.7	2,415.6	2,458.7

*Prior to 1990, included in other Eastern Europe - U.S.S.R.

EASTERN EUROPE — U.S.S.R.

Upper figures = 1,000 b/d
Lower figures = million t/y

	1940	1950	1960	1970	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991
Bulgaria	...	...	4.0	6.7	6.0	3.0	3.0	3.0	3.0	6.0	5.0	5.0	5.0	4.0
	...	...	0.2	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.2
Czechoslovakia	...	0.8	2.7	4.1	1.9	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
	...	...	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hungary	...	10.1	24.3	38.7	40.6	40.0	40.0	40.0	40.0	40.0	40.0	39.0	40.0	39.0
	...	0.5	1.2	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	1.9
Poland	...	3.3	8.9	8.5	6.5	5.0	5.0	5.0	5.0	4.0	4.0	3.0	3.0	2.0
	...	0.2	0.2	0.4	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1
Romania	...	87.7	231.0	268.6	230.9	240.0	229.0	226.0	220.0	215.0	198.0	180.0	160.0	130.0
	...	4.4	11.5	13.4	11.5	12.0	11.4	11.3	11.0	10.7	9.4	9.0	8.0	6.5
U.S.S.R.*	634.9	760.6	2,969.1	7,089.2	7,931.0	12,335.0	12,265.0	11,900.0	12,300.0	12,460.0	12,462.0	12,140.0	11,980.0	10,260.0
	31.1	37.9	147.9	353.0	395.1	613.8	610.9	592.6	612.6	621.0	620.1	604.6	572.7	510.9
Yugoslavia	0.3	2.1	18.8	57.8	84.5	82.0	80.0	81.0	83.0	84.0	73.0	70.0	65.0	56.3
	...	0.1	0.9	2.9	4.2	4.1	4.0	4.0	4.1	4.2	3.6	3.5	3.2	2.8
Other	...	2.7	14.9	37.1	92.0	96.0	94.0	96.0	77.0	80.0	86.0	86.0	80.0	80.0
	...	0.1	0.7	1.8	3.8	4.8	4.6	4.8	3.8	4.0	4.2	4.3	3.8	3.8
Total	635.2	867.3	3,268.7	7,510.7	12,481.5	12,778.0	12,715.0	12,343.0	12,729.0	12,911.0	12,860.0	12,526.0	11,908.0	10,534.3
	31.1	43.2	182.7	373.9	626.0	636.3	633.1	614.8	633.8	643.0	638.8	623.7	587.8	524.0
*Estimate per Nuttall														
World Total	5,767.1	10,438.3	21,088.4	45,099.1	59,683.5	53,006.6	54,095.0	53,492.8	55,921.8	55,785.0	57,704.9	59,372.8	60,317.0	59,919.5
	286.7	519.4	1,050.2	2,343.9	2,972.0	2,639.2	2,693.8	2,663.9	2,784.5	2,778.6	2,873.4	2,956.4	3,003.4	2,982.7

Worldwide oil consumption

Upper figures = 1,000 b/d
Lower figures = million t/y

	1988	1989	1990
U.S.	16,525 793.4	16,595 794.9	16,200 778.9
Canada	1,590 73.7	1,660 78.7	1,615 74.8
Total North America	**18,115** **867.1**	**18,255** **871.6**	**17,815** **853.7**
Latin America	5,080 242.8	5,275 248.2	5,400 254.9
Total Western Hemisphere	**23,195** **1,109.0**	**23,530** **1,121.0**	**23,215** **1,108.5**
Austria	215 10.8	210 10.4	205 10.2
Belgium and Luxembourg	500 24.4	500 24.4	495 24.1
Denmark	190 9.1	190 9.1	190 9.0
Finland	230 11.0	230 11.0	230 10.9
France	1,830 88.0	1,870 89.4	1,875 89.7
Germany	2,750 129.7	2,595 121.8	2,690 126.2
Greece	280 13.7	300 14.9	290 14.5
Ireland	80 3.9	85 4.0	90 4.4
Italy	1,850 91.1	1,830 89.9	1,800 88.5
Netherlands	740 34.5	735 33.9	745 34.2
Norway	205 9.9	195 9.4	200 9.7
Portugal	185 8.7	230 11.3	230 11.0
Spain	770 34.7	790 35.6	810 36.4
Sweden	340 16.3	325 15.4	320 15.0
Switzerland	260 12.4	260 12.4	260 12.4
Turkey	465 22.3	470 22.5	500 23.8
United Kingdom	1,760 82.8	1,790 84.2	1,790 84.2
Other	60 3.1	65 3.2	70 3.4

	1988	1989	1990
Total Western Europe	**12,880** **610.9**	**12,940** **613.5**	**13,100** **620.5**
U.S.S.R.	9,350 438.1	8,765 409.2	8,145 380.6
Central Europe	1,865 91.6	1,885 92.1	1,820 79.4
Middle East	2,405 108.1	2,535 113.8	2,635 118.1
Africa	1,830 87.8	1,920 91.9	1,965 93.9
China	2,210 110.2	2,300 114.5	2,270 113.4
Indonesia	525 25.2	560 26.9	640 30.9
Japan	4,305 204.7	4,460 212.8	4,555 216.9
Malaysia	190 9.0	200 9.5	220 10.5
Philippines	190 9.6	205 10.2	235 11.5
Singapore	315 16.5	360 18.9	370 19.5
South Korea	730 34.7	850 39.6	1,000 46.5
Taiwan	475 22.9	515 25.0	540 26.2
Thailand	305 14.5	360 17.5	405 19.5
Other Asia	1,645 79.7	1,765 84.9	1,855 89.4
Total Asia	11,285 537.0	12,110 576.8	14,075 664.5
Australia	650 29.9	675 31.1	685 31.3
New Zealand	90 4.4	90 4.4	90 4.1
Total Eastern Hemisphere	**40,366** **1,946.0**	**41,275** **1,985.7**	**41,465** **1,992.9**
World Total	63,560 3,055.0	64,805 3,106.7	64,680 3,101.4
Of which OECD & LDCs*	**50,250** **2,394.1**	**51,450** **2,446.9**	**52,225** **2,485.4**

Organisation for Economic Co-operation and Development and least developed countries.
Source: British Petroleum

Worldwide refining capacity

WESTERN EUROPE

Upper figures = 1,000 b/d
Lower figures = million t/y

	1940	1950	1960	1970	1980	1984	1985	1986	1987	1988	1989	1990	1991	1992
Austria	...	26	47	94	280	268	273	204	204	204	204	204	204	210
	...	1.3	2.3	4.7	13.9	13.3	13.6	10.2	10.2	10.2	10.2	10.2	10.2	10.5
Belgium	12	18	171	669	1,084	931	931	682	648	631	631	634	682	682
	0.6	0.9	8.5	33.2	53.9	46.4	46.5	33.6	32.2	31.4	31.4	31.6	33.9	33.9
Cyprus	...	...	...	...	16	15	16	16	16	16	17	18	19	19
	...	...	...	...	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9
Denmark	1	1	2	185	315	276	276	256	185	177	177	187	200	200
				9.2	15.7	13.7	13.8	12.8	9.2	8.8	8.8	9.3	9.9	9.9
Finland	...	...	25	174	336	299	299	241	241	241	241	241	241	241
	...	...	1.2	8.7	16.7	14.9	14.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0
France	102	209	549	2,317	3,385	2,870	2,326	1,947	1,894	1,941	1,870	1,820	1,815	1,818
	7.6	10.0	26.9	115.4	168.6	143.0	115.9	97.0	94.4	96.7	93.1	90.6	90.4	90.4
Germany	48	81	573	2,359	2,986	2,386	2,172	1,933	1,720	1,648	1,518	1,507	2,065	2,062
	2.4	4.0	28.5	117.5	148.7	118.8	108.2	96.3	85.7	82.1	75.6	75.0	102.8	102.7
Greece			32	108	425	399	399	395	395	395	385	385	395	395
			1.6	5.3	21.2	19.9	19.9	19.4	19.2	19.2	19.2	19.2	19.7	19.7
Ireland	11	...	40	56	56	56	56	56	56	56	56	56	56	56
	0.5	...	2.0	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Italy	31	497	773	2,865	4,131	3,869	3,696	2,736	2,579	2,682	2,450	2,804	2,366	2,366
	2.0	5.2	38.5	177.6	205.7	192.9	184.1	136.4	128.4	127.6	122.0	139.6	118.0	118.0
Netherlands	15	77	359	1,362	1,928	1,552	1,499	1,468	1,401	1,381	1,381	1,381	1,197	1,219
	0.7	3.8	17.9	67.8	91.0	77.3	74.7	73.1	69.8	68.8	68.8	68.8	59.6	60.7
Norway	1	1	6	122	362	343	296	262	240	240	230	295	288	288
			0.3	6.1	18.1	17.1	14.8	13.1	12.0	12.0	11.5	14.7	14.3	14.3
Portugal	4	8	23	37	378	282	290	296	294	294	313	313	294	294
	0.2	0.4	1.1	1.8	18.8	14.0	14.4	14.7	14.6	14.6	15.6	15.6	14.6	14.6
Spain	17	17	146	485	1,455	1,465	1,453	1,397	1,359	1,305	1,289	1,293	1,321	1,321
	0.8	0.8	7.3	24.2	72.5	73.1	72.4	69.6	67.8	65.0	64.2	64.4	65.8	65.8
Sweden	4	26	48	230	458	453	439	429	437	437	427	428	428	435
	0.2	1.3	2.4	11.5	22.8	22.6	21.9	21.4	21.8	21.8	21.3	21.3	21.3	21.7
Switzerland				135	137	137	122	137	97	135	132	135	132	132
				5.3	6.8	6.8	6.1	6.8	4.8	6.7	6.6	6.6	6.6	6.6
Turkey	...	1	7	149	356	472	460	460	460	676	725	725	729	704
	...	...	0.3	7.4	17.7	23.5	22.9	22.9	22.9	33.7	36.1	36.1	36.3	35.1
United Kingdom	157	177	963	2,361	2,627	2,092	2,027	1,792	1,788	1,802	1,826	1,827	1,867	1,866
	8.6	9.8	48.9	116.6	131.0	104.2	101.3	89.7	89.5	89.8	89.8	90.4	93.0	93.4
Total	433	884	3,977	13,912	20,302	18,705	18,115	14,532	13,831	14,130	13,980	14,234	14,225	14,223
	21.3	42.7	197.9	692.9	1,010.9	932.0	902.6	723.9	683.9	703.9	696.3	708.9	708.4	708.3

NORTH AMERICA

Upper figures = 1,000 b/d
Lower figures = million t/y

	1940	1950	1960	1970	1980	1984	1985	1986	1987	1988	1989	1990	1991	1992
Canada	203	329	920	1,400	2,222	1,807	1,869	1,856	1,760	1,869	1,856	1,852	1,882	1,905
	10.1	16.4	45.8	69.7	110.7	90.0	93.1	92.4	87.6	93.1	92.4	92.2	93.7	94.9
U.S.	4,460	6,686	10,250	12,970	17,120	15,930	15,499	15,182	15,258	15,288	15,557	15,561	15,559	15,327
	222.2	332.9	510.5	645.5	852.5	793.3	771.9	755.9	759.8	761.1	774.7	775.0	774.8	763.3
Total	4,663	7,015	11,170	14,369	19,342	17,737	17,368	17,038	17,018	17,157	17,413	17,413	17,441	17,232
	232.2	349.9	556.3	715.2	963.2	883.3	865.0	848.3	847.4	854.4	867.1	867.2	868.5	858.2

LATIN AMERICA

Upper figures = 1,000 b/d
Lower figures = million t/y

	1940	1950	1960	1970	1980	1984	1985	1986	1987	1988	1989	1990	1991	1992
Argentina	103 5.1	152 7.6	238 11.9	457 22.8	676 33.7	678 33.8	678 33.8	667 33.2	670 33.4	690 34.4	690 34.4	689 34.3	696 34.7	696 34.7
Bahamas	... ...	... ...	... ...	... ...	500 24.9	500 24.9	350 17.4	... ...	... ...	... ...	... ...	... ...	... ...	... ...
Barbados	... ...	... ...	... ...	3 0.1	3 0.1	3 0.1	3 0.1	3 0.1	3 0.1	3 0.1	3 0.1	3 0.1	3 0.1	3 0.1
Bolivia	1 ...	7 0.3	12 0.6	12 0.6	74 3.7	47 2.3	47 2.3	47 2.3	47 2.3	47 2.3	58 2.9	58 2.9	45 2.2	45 2.2
Brazil	4 0.2	12 0.6	156 7.8	502 25.0	1,205 60.0	1,301 64.8	1,305 55.0	1,305 65.0	1,321 65.8	1,407 70.1	1,407 70.1	1,397 69.6	1,412 70.3	1,406 70.0
Chile	1 ...	4 0.2	24 1.2	91 4.5	139 6.9	141 7.0	141 7.0	141 7.0	150 7.5	141 7.0	147 7.3	147 7.3	146 7.3	143 7.1
Colombia	15 0.7	24 1.2	51 2.5	137 6.8	193 9.6	211 10.5	211 10.5	211 10.5	226 11.3	226 11.3	227 11.3	227 11.3	247 12.3	274 13.6
Costa Rica	... ...	... ...	... ...	8 0.4	11 0.5	17 0.8	16 0.8	15 0.7	16 0.8	16 0.8	16 0.8	16 0.8	15 0.7	15 0.7
Cuba	4 0.2	7 0.3	87 4.3	93 4.6	160 8.0	160 8.0	160 8.0	160 8.0	160 8.0	160 8.0	160 8.0	160 8.0	280 13.9	280 13.9
Ecuador	2 0.1	5 0.2	7 0.3	33 1.5	86 4.3	84 4.2	82 4.1	88 4.4	88 4.4	122 6.1	123 6.1	145 7.2	142 7.1	142 7.1
El Salvador	... ...	... ...	... ...	14 0.7	16 0.8	16 0.8	16 0.8	16 0.8	17 0.8	17 0.8	17 0.8	17 0.8	16 0.8	16 0.8
Guatemala	... ...	... ...	... ...	21 1.0	16 0.8	16 0.8	16 0.8	16 0.8	16 0.8	16 0.8	16 0.8	16 0.8	16 0.8	16 0.8
Honduras	... ...	... ...	... ...	10 0.5	14 0.7	14 0.7	14 0.7	14 0.7	14 0.7	14 0.7	14 0.7	14 0.7	14 0.7	14 0.7
Jamaica	... ...	... ...	... ...	32 1.6	34 1.7	36 1.8	36 1.8	36 1.8	36 1.8	36 1.8	34 1.7	34 1.7	34 1.7	34 1.7
Mexico	98 4.9	160 8.0	357 17.8	495 24.7	1,394 69.4	1,269 63.2	1,269 63.2	1,269 63.2	1,349 67.2	1,354 67.4	1,354 67.4	1,514 75.4	1,679 83.6	1,574 78.4
Netherlands Antilles	495 24.7	617 30.7	680 33.9	840 41.8	792 39.4	740 36.9	740 36.9	320 15.9	320 15.9	320 15.9	320 15.9	320 15.9	320 15.9	470 23.4
Nicaragua	... ...	... ...	... ...	22 1.1	14 0.7	15 0.7	15 0.7	15 0.7	15 0.7	15 0.7	15 0.7	15 0.7	16 0.8	16 0.8
Panama	... ...	... ...	... ...	76 3.8	100 5.0	100 5.0	100 5.0	100 5.0	100 5.0	100 5.0	100 5.0	100 5.0	100 5.0	40 2.0
Paraguay	... ...	... ...	... ...	5 0.2	7 0.3	8 0.4	8 0.4	8 0.4	8 0.4	8 0.4	8 0.4	8 0.4	8 0.4	8 0.4
Peru	22 1.1	35 1.7	49 2.4	92 4.6	170 8.5	169 8.4	176 8.8	176 8.8	176 8.8	182 9.1	172 8.6	172 8.6	189 9.4	189 9.4
Puerto Rico	... ...	... ...	84 4.2	155 7.7	284 14.1	121 6.0	121 6.0	121 6.0	121 6.0	123 6.1	123 6.1	123 6.1	125 6.2	123 6.1
Trinidad & Tobago	49 2.4	104 5.2	162 8.1	430 21.4	466 23.2	375 18.7	229 11.5	260 12.9	300 14.9	300 14.9	300 14.9	300 14.9	246 12.3	246 12.3
Uruguay	5 0.2	16 0.8	28 1.4	40 2.0	40 2.0	45 2.2	45 2.2	45 2.2	45 2.2	45 2.2	33 1.6	33 1.6	33 1.6	29 1.4
Venezuela	16 0.7	254 12.6	886 44.1	1,313 65.4	1,446 71.9	1,229 61.0	1,224 61.0	1,230 61.3	1,326 66.0	1,301 64.8	1,301 64.8	1,301 63.6	1,167 58.1	1,171 58.3
Virgin Islands	... ...	... ...	... ...	220 11.0	728 36.3	600 29.9	545 27.1	600 29.9	600 29.9	545 27.1	545 27.1	545 27.1	545 27.1	545 27.1
Others	... ...	... ...	... ...	11 0.5	82 4.1	55 2.7	57 2.8	57 2.8	47 2.3	41 2.0	60 3.0	41 2.0	60 3.0	60 3.0
Total	854 42.3	1,367 68.4	2,841 141.5	5,114 254.5	8,630 429.2	7,946 395.6	7,696 383.1	6,930 344.4	7,080 352.5	7,148 355.9	7,143 355.5	7,315 364.0	7,554 376.0	7,508 376.0

A section of Sonatrach's refinery and LNG processing facility at Skikda, Algeria. (Photo courtesy OPEC Bulletin.)

ASIA-PACIFIC

Upper figures = 1,000 b/d
Lower figures = million t/y

	1940	1950	1960	1970	1980	1984	1985	1986	1987	1988	1989	1990	1991	1992
Australia	4 0.2	14 0.7	237 11.8	594 29.6	725 36.1	722 36.0	697 34.7	623 31.0	626 31.2	637 31.7	644 32.1	675 33.6	706 35.2	703 35.0
Bangladesh	...	...	...	...	31 1.5	32 1.5	31 1.5	31 1.5	31 1.5	31 1.5	31 1.5	31 1.5	31 1.5	31 1.5
Brunei-Malaysia-Singapore	10 0.5	10 0.5	46 2.3	320 15.9	1,093 54.4	1,313 65.4	1,286 64.0	1,240 61.8	1,183 58.9	1,080 53.8	1,071 53.3	1,049 52.2	1,098 54.7	1,113 55.4
China	...	8 0.4	98 4.9	360 17.9	1,800 89.7	2,000 100.1	2,100 105.1	2,100 105.1	2,200 110.0	2,200 109.6	2,200 109.6	2,200 109.6	2,200 109.6	2,200 109.6
China, Taiwan	... ...	... ...	28 1.4	119 5.9	425 21.2	515 25.6	543 27.0	543 27.0	543 27.0	600 29.9	570 28.4	570 28.4	543 27.0	543 27.0
Egypt	...	...	...	...	44 2.2	44 2.2	44 2.2	...	...	...	...	...	...	...
India	10 0.5	6 0.3	112 5.6	446 22.2	557 27.7	779 38.8	705 35.1	867 43.2	991 49.4	1,059 52.7	1,051 52.3	1,080 53.8	1,122 55.9	1,122 55.9
Indonesia	170 8.5	200 10.0	276 13.6	268 13.2	526 26.3	597 29.9	651 31.4	585 31.7	650 32.7	714 35.6	714 35.6	714 35.6	814 40.5	860 42.8
Japan	53 2.6	34 1.7	640 31.9	3,140 156.4	5,509 274.3	5,020 250.0	4,813 239.7	4,613 229.7	4,790 238.5	4,567 227.4	4,363 217.3	4,198 209.1	4,383 218.3	4,612 229.7
Korea, North	...	...	...	...	...	...	...	...	...	...	...	...	42 2.1	42 2.1
Korea, South	... ...	... ...	... ...	180 9.0	601 29.9	776 38.6	776 38.6	782 38.9	862 42.9	820 40.8	880 43.8	867 43.2	867 43.2	1,163 57.9
Myanmar (Burma)	...	...	9 0.4	26 1.3	25 1.2	26 1.3	26 1.3	26 1.3	26 1.3	26 1.3	26 1.3	32 1.6	32 1.6	32 1.6
New Zealand	... ...	... ...	... ...	66 3.3	74 3.7	74 3.7	53 2.6	53 2.6	54 2.7	82 4.1	88 4.4	95 4.7	95 4.7	95 4.7
Oceania	... ...	... ...	... ...	...	199 9.9	153 7.6	158 7.6	170 8.8	... ...	... ...	... ...	... ...	... ...	... ...
Pakistan	... ...	5 0.2	6 0.3	107 5.3	98 4.9	126 6.3	129 6.4	130 6.5	130 6.5	130 6.5	130 6.5	121 6.0	121 6.0	121 6.0
Philippines	...	...	22 1.1	182 9.1	250 12.6	285 14.3	280 14.0	270 14.0	290 14.5	285 14.6	254 12.6	354 18.1	279 13.9	289 14.8
Sri Lanka	... ...	... ...	... ...	44 2.2	38 1.9	50 2.5	50 2.5	50 2.5	50 2.5	50 2.5	50 2.5	50 2.5	50 2.5	50 2.5
Taiwan	...	...	1 ...	62 3.1	186 9.3	175 8.8	172 8.6	182 9.0	182 9.2	195 9.6	195 9.8	210 10.7	221 11.0	221 11.0
Others	27 1.3	4 0.2	... ...	12 0.6	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...
Total	324 13.8	289 14.1	1,985 73.2	6,990 348.1	11,999 598.8	12,910 673.6	12,899 674.5	12,562 656.7	12,999 687.5	12,945 681.2	12,665 666.7	12,797 668.6	13,094 687.7	13,791 697.8

*Flow in 1990, included in above

†Flow in 1991, included in entry 0 0 2 3 —Gaston Sander

AFRICA

Upper figures = 1,000 b/d
Lower figures = million t/y

	1940	1950	1960	1970	1980	1984	1985	1986	1987	1988	1989	1990	1991	1992
Algeria	...	...	...	48	122	137	464	465	465	465	465	465	465	465
	...	...	...	2.4	6.1	6.8	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.2
Angola														
Cameroon	...	...	...	...	...	41	43	43	43	43	42	43	42	42
	...	...	...	...	...	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Congo														
Egypt	17	39	87	175	234	369	369	434	452	452	489	489	523	523
	0.8	1.9	4.3	8.7	11.7	18.4	18.4	21.6	22.5	22.5	24.4	24.4	26.0	26.0
Ghana														
Gabon	...	...	...	13	20	20	20	23	16	23	24	24	24	24
	..	...	...	0.6	1.0	1.0	1.0	1.1	0.8	1.1	1.2	1.2	1.2	1.2
Guinea														
Ivory Coast	...	...	...	19	50	90	90	90	73	60	60	69	69	69
	...	...	...	0.9	2.5	4.5	4.5	4.5	3.6	3.0	3.0	3.4	3.4	3.4
Kenya														
Liberia	...	...	...	10	15	15	15	15	15	15	15	15	15	15
	...	...	...	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Libya														
Madagascar	...	...	...	13	11	16	16	16	16	16	16	16	16	16
	...	...	...	0.6	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Morocco														
Mozambique	...	...	...	20	16	17	17	17	17	...	...	...	...	...
	..	...	...	1.0	0.8	0.8	0.8	0.8	0.8	...	...	...	...	...
Nigeria														
Senegal	...	...	...	13	20	18	30	30	30	30	30	24	24	24
	...	...	...	0.6	1.0	0.9	1.5	1.5	1.5	1.5	1.5	1.2	1.2	1.2
Sierra Leone														
South Africa	1	...	25	184	478	389	389	389	389	434	434	434	431	431
	...	...	1.2	9.2	23.8	19.4	19.4	19.4	19.4	21.6	21.6	21.6	21.5	21.5
Sudan														
Tanzania	...	...	...	14	17	17	14	14	14	14	14	14	17	17
	...	...	...	0.7	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8
Togo														
Tunisia	...	...	...	23	34	34	34	34	34	34	34	34	34	34
	...	...	...	1.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Zaire														
Others	...	...	...	...	35	35	35	35	35	34	31	35	35	34
	...	...	...	...	1.7	1.7	1.7	1.7	1.7	1.7	1.5	1.7	1.7	1.7
Total	18	40	112	599	1,085	1,386	2,407	2,501	2,384	2,501	2,700	2,835	4,854	4,867
	0.8	1.8	5.7	30.0	53.0	68.0	118.1	122.7	116.4	122.6	132.0	140.4	142.0	142.0

MIDDLE EAST

Upper figures = 1,000 b/d
Lower figures = million t/y

	1940	1950	1960	1970	1980	1984	1985	1986	1987	1988	1989	1990	1991	1992
Abu Dhabi	...	...	...	...	14	185	185	185	185	180	180	180	193	193
	...	...	...	...	0.7	9.2	9.2	9.2	9.2	9.0	9.0	9.0	9.6	9.6
[illegible]														
Iran	333	502	495	645	921	530	530	530	530	530	530	530	720	720
	16.6	25.0	24.7	32.1	45.9	26.4	26.4	26.4	26.4	26.4	26.4	26.4	35.9	35.9
[illegible]														
Israel	...	83	87	107	195	190	170	170	180	180	180	180	180	208
	...	4.1	4.3	5.3	9.7	9.5	8.5	8.5	9.0	9.0	9.0	9.0	9.0	10.4
[illegible]														
Kuwait*	...	25	270	560	645	623	669	634	618	628	817	819	819	819
	...	1.2	13.5	28.4	32.1	31.0	33.3	31.6	30.8	31.3	40.7	40.8	40.8	40.8
[illegible]														
Qatar	...	...	1	1	11	63	56	56	52	62	62	62	62	60
	...	...	...	...	0.5	3.1	2.8	2.8	3.1	3.1	3.1	3.1	3.1	3.0
[illegible]														
Syria	...	...	...	59	223	229	228	229	229	229	244	244	237	237
	...	...	...	2.9	11.1	11.4	11.4	11.4	11.4	11.4	12.2	12.2	11.8	11.8
[illegible]														
Others	...	...	...	...	...	48	50	48	58	87	87	87	76	80
	...	...	...	...	...	2.4	2.5	2.4	2.9	4.3	4.3	4.3	3.8	4.0
[illegible]														
Total, excl. U.S.S.R., E. Europe	8,612	10,524	21,005	41,060	65,670	60,225	59,873	57,060	57,010	57,660	57,894	58,067	59,730	60,067
	336.8	523.5	1,045.9	2,060.5	3,270.5	2,966.9	2,971.2	2,943.2	2,839.1	2,872.7	2,878.5	2,942.7	2,972.9	2,991.0

*Includes Neutral Zone.

U.S.S.R.-EASTERN EUROPE

Upper figures = 1,000 b/d
Lower figures = million t/y

	1940	1950	1960	1970	1980	1984	1985	1986	1987	1988	1989	1990	1991	1992
Albania*	...	...	...	...	...	...	...	...	...	...	...	...	40	40
	...	...	...	...	...	...	...	...	...	...	...	...	2.0	2.0
Bulgaria*	...	...	...	...	...	...	...	...	...	...	...	...	300	300
	...	...	...	...	...	...	...	...	...	...	...	...	14.9	14.9
Czechoslovakia	...	16	46	220	455	455	455	455	456	455	455	455	455	455
	...	0.8	2.3	11.0	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
[illegible]														
Hungary	...	20	96	130	290	312	242	242	242	220	220	220	220	220
	...	1.0	2.9	6.5	14.4	15.5	12.1	12.1	12.1	11.0	11.0	11.0	11.0	11.0
Poland	...	4	20	156	385	385	385	385	385	385	385	385	385	333
	...	0.2	1.0	7.8	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	16.6
[illegible]														
U.S.S.R.	...	900	2,800	5,640	10,950	12,000	12,200	12,260	12,260	12,260	12,300	12,300	12,300	12,300
	...	44.8	139.4	280.9	545.3	597.6	607.6	610.5	610.5	610.5	612.5	612.5	612.5	612.0
[illegible]														
Others	...	4	40	332	852	894	894	894	894	852	910	852	...	...
	...	0.2	2.0	16.5	42.4	44.5	44.5	44.5	44.5	42.4	45.3	42.4	...	...
[illegible]														
World Total	8,617	11,008	24,250	46,992	76,514	75,185	74,783	72,260	72,362	73,660	73,260	74,538	74,840	74,981
	336.8	568.0	1,368.9	2,436.8	3,859.5	3,743.0	3,722.8	3,697.9	3,668.0	3,638.5	3,668.2	3,711.8	3,717.1	3,733.7

*Prior to 1991, included in others.

WORLDWIDE GAS PROCESSING

Capacities as of January 1, 1991, and average production

Country	No. plants	MMcfd: Gas capacity	MMcfd: Gas throughput	Production 1,000 gpd (Average based on the past 12 months): Ethane	Prop.	Isobut.	Process or unsplit butane	LP-gas mix	Raw NGL mix	Debut. nat. gaso.	Other	Total products
United States												
Alabama	7	255.0	204.6	....	158.5	....	134.8	6.4	38.3	117.1	504.0	959.1
Alaska	4	5,773.5	5,701.0	....	2.6	....	16.5	....	2,720.1	....	....	2,739.2
Arkansas	5	938.0	581.2	0.5	7.4	1.7	7.1	....	39.5	16.1	3.3	75.6
California	32	1,090.7	666.6	....	402.7	65.3	190.0	70.7	303.5	100.4	11.4	1,144.0
Colorado	43	1,095.5	692.6	62.5	239.4	15.4	83.2	54.9	702.6	53.1	16.1	1,227.2
Florida	2	890.0	749.8	51.0	103.7	22.0	67.3	....	....	66.3	....	310.3
Kansas	23	5,191.0	3,627.4	360.2	929.7	95.5	383.5	....	840.4	286.0	1.9	2,897.2
Kentucky	2	71.0	69.8	....	....	....	....	....	163.3	....	....	163.3
Louisiana	75	18,666.0	11,367.0	1,457.6	1,249.5	426.5	434.1	35.5	5,392.8	699.5	136.9	9,832.4
Michigan	28	4,757.3	1,422.1	....	67.7	....	....	6.3	559.5	12.7	18.6	664.8
Mississippi	6	898.2	267.0	....	10.8	....	8.1	....	11.0	7.9	3.2	41.0
Montana	7	28.0	10.3	....	29.7	....	8.6	7.4	7.9	8.1	1.4	63.1
New Mexico	28	2,655.5	1,782.4	176.0	238.2	13.5	43.9	....	4,802.1	60.3	15.8	5,349.8
North Dakota	8	128.0	83.1	....	169.4	....	90.8	9.8	98.9	25.1	5.2	399.2
Ohio	1	20.0	8.5	....	....	....	....	....	6.4	....	....	6.4
Oklahoma	101	4,678.0	2,827.7	820.2	813.6	109.6	286.3	119.3	5,121.5	326.2	216.9	7,813.6
Pennsylvania	2	14.0	8.3	....	4.7	....	3.0	....	....	4.1	....	11.8
Texas	301	16,470.1	10,492.7	3,069.6	3,197.9	520.1	1,434.9	601.6	15,985.3	1,824.8	1,389.5	28,023.7
Utah	12	522.5	292.3	....	92.0	....	30.7	....	136.6	37.1	10.0	306.4
West Virginia	7	397.5	300.9	204.4	125.6	20.3	38.7	88.2	268.6	....	....	745.8
Wyoming	40	3,660.3	2,843.4	21.9	283.4	9.6	216.1	84.3	2,516.5	146.5	1,145.4	4,423.7
Total U.S.	**734**	**68,200.1**	**43,998.7**	**6,223.9**	**8,126.5**	**1,299.5**	**3,477.6**	**1,084.4**	**39,714.8**	**3,791.3**	**3,479.6**	**67,197.6**
Abu Dhabi	6	1,719.0	1,269.0	....	....	....	....	....	....	546.0	....	546.0
Algeria	4	5,335.2	4,268.2	....	....	....	....	632.8	....	....	5,449.2	6,082.0
Argentina	14	1,488.4	1,498.9	687.7	497.2	....	334.8	....	....	319.8	0.8	1,840.3
Australia	5	2,333.0	1,376.0	279.0	441.0	....	249.0	610.3	....	1,058.5	650.0	3,487.8
Austria	1	17.5	13.7	....	....	....	....	26.7	....	28.4	....	55.1
Bahrain	1	168.0	155.0	....	....	....	....	25.6	....	....	....	25.6
Bangladesh	2	240.0	178.0	....	....	....	....	....	....	....	8.2	8.2
Bolivia	2	474.0	177.3	....	1.4	2.5	....	161.7	....	61.5	136.9	364.0
Brazil	11	452.3	456.2	8.0	....	....	....	313.0	....	118.4	228.7	668.1
Brunei	2	1,132.0	867.4	....	7.9	....	....	....	....	265.0	....	272.9
Canada												
Alberta	493	23,462.0	14,668.5	6,499.2	3,263.2	1,043.6	704.8	1,608.2	4,034.3	3,939.6	541.7	21,634.6
British Columbia	16	2,408.3	1,195.7	....	149.1	....	59.1	3.5	....	22.2	....	233.9
Northwest Territories	2	219.9	28.3	....	....	....	....	....	....	....	....	....
Saskatchewan	29	354.1	249.5	....	11.9	....	6.6	12.9	104.2	4.4	18.0	158.0
Chile	2	470.0	423.0	....	190.0	....	120.0	....	....	106.0	....	416.0
China, Taiwan	4	271.0	110.2	9.4	22.0	....	15.8	....	7.0	11.4	....	65.6
Colombia	7	366.4	212.3	110.0	51.3	....	54.9	46.3	....	63.7	1.0	327.2
Denmark	1	450.0	240.0	....	....	....	....	....	....	....	100.0	100.0
Dubai	1	330.0	330.0	....	....	....	....	....	....	....	650.5	650.5
Ecuador	2	41.0	20.5	....	....	....	....	97.1	....	37.3	....	134.4
Egypt	8	1,323.0	1,236.0	....	....	....	....	715.0	....	....	1,215.4	1,930.4
France	1	570.0	563.0	....	139.0	....	132.0	....	....	270.0	....	541.0
Germany	3	366.0	274.0	....	....	....	....	....	....	....	....	....
Greece	2	40.0	29.7	....	....	....	....	....	110.3	....	....	110.3
Hungary	12	1,097.2	475.3	....	65.7	6.3	70.0	....	367.4	819.2	103.6	1,432.2
Indonesia	10	3,905.0	3,498.2	17.3	329.0	113.4	0.9	51.6	1,277.2	....	32.6	1,822.0
Italy	17	7,614.0	1,587.0	....	....	....	....	2.7	8.0	7.5	....	18.2
Kuwait	3	1,815.0	1,452.0	....	1,722.0	....	980.0	....	....	811.8	....	3,513.8
Libya	7	1,851.0	1,227.0	....	....	....	....	37.8	5,577.0	....	551.0	6,165.8
Malaysia	2	282.0	105.0	161.4	23.2	136.3	26.2	....	....	154.1	....	503.2
Mexico	11	4,649.0	3,561.1	15,174.0	....	....	....	....	....	....	15.2	15,189.2
Netherlands	1	440.0	145.0	....	....	....	....	....	....	....	6.1	6.1
New Zealand	6	1,444.0	626.0	....	39.1	....	1.8	134.7	....	18.6	733.7	927.9
Norway	2	950.0	537.0	....	682.0	106.0	256.0	....	292.0	193.0	....	1,531.0
Oman	8	626.0	309.4	....	....	....	....	....	202.0	43.0	....	245.0
Pakistan	6	1,275.0	978.7	....	....	....	....	53.8	64.9	....	9.1	127.8
Peru	2	70.0	37.0	....	3.4	....	1.0	5.6	28.9	....	4.0	42.9
Qatar	2	579.0	291.0	....	506.0	288.0	....	....	....	199.0	....	993.0
Saudi Arabia	5	4,300.0	....	....	....	....	....	....	....	....	....	....
Sharjah, U.A.E.	2	940.0	766.0	....	287.0	....	206.0	....	....	....	1,164.0	1,657.0
Spain	3	428.0	177.0	....	....	....	....	....	....	....	73.0	73.0
Thailand	2	850.0	550.0	....	....	....	....	400.4	8.4	84.0	....	492.8
United Kingdom	10	7,910.0	979.2	....	332.0	....	291.0	....	....	1,748.5	49.1	2,420.6
Venezuela	14	2,913.0	2,557.0	213.3	197.4	....	113.4	231.3	3,274.6	171.9	....	4,201.9
Yemen	1	400.0	443.0	....	....	....	....	53.6	305.5	....	....	359.1
Total, outside U.S.	**745**	**88,369.3**	**50,144.3**	**23,159.3**	**8,960.8**	**1,696.1**	**3,625.3**	**5,224.6**	**15,661.7**	**11,102.8**	**11,941.8**	**81,374.4**
World Total	**1,479**	**156,569.4**	**94,143.0**	**29,383.2**	**17,087.3**	**2,997.6**	**7,102.9**	**6,309.0**	**55,376.5**	**14,894.1**	**15,421.4**	**148,572.0**